Results of the 2015 **CQ WW WPX RTTY Contest**

BY ED MUNS, WØYK

- "Excellent conditions on ten meters again this year!" AA5AU
- "Good activity again." **DJ6TK**"Good propagation with a lot of stations on the five bands."
- "Eleventh CQ WPX RTTY Contest and the best." F5RD
- "Great to see 10m so wide open." GUØSUP
- "Very nice propagation for both days." **IZ4AFW** "10 and 15 meters did not disappoint!" **KA1DBE**
- "Bands in good shape. 10m open until late evening." LA9RY "Great 10 meter opening." – N7UVH
- "Fun contest great conditions on 10 and 40!" NCØDX
- "Loads of activity made for loads of fun. Great prop throughout contest." - NE3H
- Good contest with many stations." OK2SWD
- "Vy good condx. Sometimes there was good run on 15 and 10 meters." – **RU4SS**
- "Propagation was great on 20/15/10m during the day; 80m was a little tougher." - WR5J

he 21st running of this contest enjoyed another year of benefit from the second peak of Solar Cycle 24. Ten through 40 meters all provided great propagation. Ten meters was even a bit hotter than 2014 as evidenced by the increase in QSOs on that band. The other bands each saw a very slight decrease in QSOs, but the overall pattern was almost identical to last year. Here are the percentages of QSOs on each band, in a historical perspective:

Band	2010	2011	2012	2013	2014	2015
80	13%	15%	11%	11%	8%	7%
40	27%	28%	23%	26%	21%	21%
20	36%	35%	27%	28%	22%	21%
15	23%	21%	30%	29%	28%	27%
10	0.5%	1%	9%	6%	21%	25%

World and continental records continue to be broken, nearly the same number as in 2014:

	W	orld	Continent		
	New	Avail	New	Avail	
SO10	1	3	7	18	
SO15	1	3	5	18	
SO20	1	3	3	18	
SO40	_	3	1	18	
SO80	_	3	2	18	
SOAB	1	3	4	18	
MSH	_	1	_	6	
MSL	1	1	4	6	
M2	_	1	_	6	
MM	_	1	2	6	
Total	5	22	28	132	

Participation increased slightly from last year to 2,909 submitted logs with total QSOs dropping a bit to 1.05 million. There were 162 different countries and 2,095 different pre-

John, WØDC, pleased with the NCØDX top North American MSH finish along with teammates Bob, WØBV, and Ken, WØLSD, operating at the WØLSD station.



Cort, K4WI, at command central after erecting a considerably smaller antenna since a tornado took down his 10-meter tower a few years back. Nonetheless, a new NA 10-meter HP record was set.

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2015 CQ WW WPX RTTY TOP WORLD SCORES

SINGLE OPERATOR	*YT8A (YU1EA)	564.750	14 MHz		LA8FTA	49.911	7 MH	łz
HIGH POWER ALL BAND	*CA5GRF		SP6GCU	292.635	KH6SAT		K90M/4	
P49X (WØYK)13,809,570	*CE3DNP		SBØA (SMØLPO)		SQ2KUM		S51CK	
AA3B8,206,200	*LW6DG		HG6C (HA6IAM)		Ouz.rom		W1AJT/4	
UW2M (URØMC)8,142,372	*A92AA		DL9IM		21 MHz		DJ2RG	
HK1NA (N4RR)	A32AA		KQ7M (KØMP)		A71AE		EA3DUM	
LZ8E (LZ2BE)7,319,532	04 8811		IZ2QKG		70 774		WM9Q	
SP7GIQ6,417,972	21 MHz	0.550.040	RA3XEV		LOW POW	ED	W6RKC	
EM2G (UR7GO)6,206,188	*EE8E (EA8AH)		KB2HSH		ALL BANI		W9AKS	
ACØC5,677,044	*EE7Y (EC7WA)		0Z4ZT		*DK60R		JA5NSR	
II2V (IK2NCJ)5,239,842	*PU1MKZ		IZ1TTR		*R20M		UMUNUIT	
	*GM5M (GM4ZNC)		IZ111N		*DL6WM		3.5 M	ш-
WK1Q (K1MK)5,033,161	*RA9AU		7 8411-					
00.001	*Z36N		7 MHz	004.000	*SA6CMO		0K2SFP	
28 MHz	*J35X		IZ2JPN		*UR5LY		IV3SKB	
CT3FQ2,528,838	*A61DJ		IK4UXA		*TF2MSN		UN4PG	50,778
9A5Y2,017,122	*KH6ZM		UX5UU		*S57SWR		1.0111.00	WED
ES5Q (ES4RD)	*DJ4MH	574,820	IK7XNF		*AB3TM		LOW PO	
G8DX1,496,685			IW1BC0		*M6ESV		ALL BA	
K4WI1,441,600	14 MHz		Z33F		*ISØDCR	194,040	*0Q6A (ON5MF)	
DK3T (DK3EE)1,333,837	*5C5W (CN8KD)	2.334.260	YT2PFR				*ZX2B (PY2MNL)	
W9ILY1,274,900	*YT2T		YT5TT		28 MHz		*UR6EA	
HA8JV1,261,950	*URØHQ		N3CRT/2	19,240	*CA5GRF		*RT9S	
YT2R (YU1AU)1,156,948	*AD7JP (K2P0)				*A92AA		*NY6DX/2	
AA5AU1,129,361	*SP4JCQ		3.5 MHz		*RA6GW		*4X1RF	
	*YV4NN		UR9QQ		*KD2HXI		*AD5XD	
21 MHz	*S53F		NW3R (NH7C)		*9A3DZH	20,640	*WD4AHZ	1,442,979
OGØZ (OH9MM)3,236,205	*IZ8EFD		9A1IW	3,658	*A71MM	17,250	*IK3TPP	1,387,008
ES5RY2,544,136	*RU5TT (R3TE)		JF2IWL	2,970	*JH1GTY	15,808	*AE1P	1,303,680
UW1M2,263,668	*ES2DJ				*IZ7ZKV			
KU2M2,120,848	LUZDU	021,700	MULTI-OPERA	TOR			28 MI	Hz
K8IA/72,044,035	7 8411		SINGLE TRANSMITT		21 MHz		*PY5ZW	
3Z5N (SP5GRM)1,979,460	7 MHz	0.001.000	HG1S (HA1TJ)		*A61DJ	661,830	*EA8CNR	
C6AUM1,824,984	*IW4EGX		ED1R (EC1KR)		*YY5JAK		*EC8CQ	
OL8M1,794,835	*4Z5UN		HG7T (HA5WA)		*EU2TT		*IW9FDD	
WK7S (K6LL)1,726,018	*YU2A		RY6Y (RU6YJ)		20211		*LU9EHU	
IQ9UI (IT9WNU)1,680,225	*0K2RU		SZ1A (SV1CIB)		14 MHz		*VE3IAE	
14001 (1104410)1,000,220	*SQ2NNN		EI1Y (EI3KG)		*EW2E0	1 827	*PY2MC	
14 MHz	*HA1WD		9AØZ (9A5VEK)		L**LEO		*DF4WC	
CR2X (OH2PM)3,270,504	*IK30RD		OH2HAN (OH8WW)		7 MHz		*IK5ZUB	
	*I3PXN	739,152	NCØDX (WØLSD)	5,347,076 5,027,525		262 700	*Z31MM	
TM6M (F4DXW)3,170,120	*DL5KUD	710,820			*S54MI		Z3 HVHVI	00,344
SO4M2,330,506	*SV1DPP	632,196	V55V (DD8ZX)	4,411,733	*YT2PFR		21 Mi	u-
IT9AUG			MILL TI ODEDA	TOD.	*YC9GWR	2,070		
PT2CM (PT2FE)1,445,808	3.5 MHz		MULTI-OPERA		TRIPANDED (ONO)		*J35X	
UA9CKP1,349,805	*SQ2RGB	674 674	SINGLE TRANSMITT		TRIBANDER/SINGL		*W4LC	
IT9HBT1,181,880	*0K2HBR		*9A7T (9A2EU)		HIGH POW		*W1ZD/7	
IW3RUA989,230								
			*ES10 (ES2SDA)		ALL BANI		*N9TGR	
IZ1ZHG660,666	*OM3RWB (OM3ZWA)	375,452	*DQ4W (DL2MLU)	2,241,943	GWØA	2,750,185	*R5ACQ	310,860
	*0M3RWB (0M3ZWA) *0K2SAR	375,452 369,984	*DQ4W (DL2MLU) *V31YN (DJ4KW)	2,241,943	GWØARU3FM	2,750,185 2,478,060	*R5ACQ* *RK9AK	310,860
IZ1ZHG	*0M3RWB (0M3ZWA) *0K2SAR *UN1L	375,452 369,984 358,392	*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W	2,241,943 2,142,875 1,553,877	GWØA RU3FM 0E2E (0E2GEN)	2,750,185 2,478,060 2,449,560	*R5ACQ *RK9AK *7M400S	310,860 188,612 110,168
IZ1ZHG660,666	*0M3RWB (0M3ZWA) *0K2SAR *UN1L *SP9BNM	375,452 369,984 358,392 337,776	*DQ4W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE)	2,241,943 2,142,875 1,553,877 1,478,026	GWØA RU3FM OE2E (OE2GEN) ON6NL	2,750,185 2,478,060 2,449,560 2,406,003	*R5ACQ *RK9AK *7M400S *SV7CUD	310,860 188,612 110,168 52,540
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *S53NW	375,452 369,984 358,392 337,776 317,504	*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *IQ2CU (IN30WY)	2,241,943 2,142,875 1,553,877 1,478,026 1,367,916	GWØA RU3FM OE2E (OE2GEN) ON6NL N3QE	2,750,185 2,478,060 2,449,560 2,406,003 2,382,531	*R5ACQ*RK9AK*7M400S*SV7CUD*EA3NO*	310,860 188,612 110,168 52,540 47,946
IZ1ZHG	*0M3RWB (0M3ZWA) *0K2SAR *UN1L* *SP9BNM *553NW *UXØDL	375,452 369,984 358,392 337,776 317,504 266,228	*DQ4W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE)	2,241,943 2,142,875 1,553,877 1,478,026 1,367,916	GWØA RU3FM OE2E (OE2GEN) ON6NL	2,750,185 2,478,060 2,449,560 2,406,003 2,382,531	*R5ACQ *RK9AK *7M400S *SV7CUD	310,860 188,612 110,168 52,540 47,946
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *S53NW *UXØDL *E78T	375,452 369,984 358,392 337,776 317,504 266,228 264,020	*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *IQ2CU (IN30WY)	2,241,943 2,142,875 1,553,877 1,478,026 1,367,916 1,070,535	GWØA RU3FM OE2E (OE2GEN) ON6NL N3QE	2,750,185 2,478,060 2,449,560 2,406,003 2,382,531 2,091,744	*R5ACQ*RK9AK*7M400S*SV7CUD*EA3NO*	310,860 188,612 110,168 52,540 47,946
IZ1ZHG	*0M3RWB (0M3ZWA) *0K2SAR *UN1L* *SP9BNM *553NW *UXØDL	375,452 369,984 358,392 337,776 317,504 266,228 264,020	*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *IQ2CU (IN3OWY) *OK2RVM (OK2PDU)	2,241,943 2,142,875 1,553,877 1,478,026 1,367,916 1,070,535 1,045,910	GWØA	2,750,185 2,478,060 2,449,560 2,406,003 2,382,531 2,091,744 2,069,676	*R5ACQ*RK9AK*7M400S*SV7CUD*EA3NO*	310,860 188,612 110,168 52,540 47,946 43,164
Z1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *S53NW *UXØDL *E78T	375,452 369,984 358,392 337,776 317,504 266,228 264,020	*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *IQ2CU (IN3OWY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI)	2,241,943 2,142,875 1,553,877 1,478,026 1,367,916 1,070,535 1,045,910	GWØA	2,750,185 2,478,060 2,449,560 2,406,003 2,382,531 2,091,744 2,069,676 1,983,860	*R5ACQ *RK9AK *7M400S *SV7CUD *EA3NO *JR4GPA	310,860 188,612 110,168 52,540 47,946 43,164
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *S53NW *UXØDL *E78T	375,452 369,984 358,392 337,776 317,504 266,228 264,020	*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *IQ2CU (IN3OWY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI)	2,241,943 2,142,875 1,553,877 1,478,026 1,367,916 1,070,535 1,045,910 1,014,978	GWØA	2,750,185 2,478,060 2,449,560 2,406,003 2,382,531 2,091,744 2,069,676 1,983,860 1,941,984	*R5ACQ*RK9AK*7M400S*SV7CUD*EA3NO*JR4GPA*	310,860 188,612 110,168 52,540 47,946 43,164 Hz
IZ1ZHG	* OM3RWB (OM3ZWA) * OKZSAR * UN1 L * SP9BNM * S53NW * UXODL * E78T * US7KC	375,452 369,984 358,392 337,776 317,504 266,228 264,020	*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W *DF0BLM (DG5VE) *IQ2CU (IN3OWY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ)	2,241,943 2,142,875 1,553,877 1,478,026 1,367,916 1,070,535 1,045,910 1,014,978	GWØA	2,750,185 2,478,060 2,449,560 2,406,003 2,382,531 2,091,744 2,069,676 1,983,860 1,941,984	*R5ACQ *RK9AK *7M400S *SV7CUD *EA3NO *JR4GPA *IZ8EFD	
Z1ZHG	* OM3RWB (OM3ZWA) * OKZSAR * UN1L * SP9BNM * S53NW * UXØDL * E78T * US7KC	375,452 369,984 358,392 337,776 317,504 266,228 262,160	*D04W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RYM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA	2,241,943 2,142,875 1,553,877 1,478,026 1,367,916 1,070,535 1,045,910 1,014,978	GWØA	2,750,185 2,478,060 2,449,560 2,406,003 2,382,531 2,091,744 2,069,676 1,983,860 1,941,984	*R5ACQ *RK9AK *7M400S *SV7CUD *EA3NO *JR4GPA *IZ8EFD *RUSTT (R3TE)	
IZ1ZHG	* OM3RWB (OM3ZWA) * OK2SAR * UN11 * SP9BNM * S53NW * UXØDL * E78T * US7KC QRP ALL BAND		*D04W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *IO2CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI	2,241,943 2,142,875 1,553,877 1,478,026 1,679,916 1,070,535 1,045,910 1,014,978 16,292,094	GWØA	2,750,185 2,478,060 2,449,560 2,406,003 2,382,531 2,091,744 2,069,676 1,983,860 1,941,984 1,767,456	*R5ACQ *RK9AK *7M400S *SV7CUD *EASNO *JR4GPA *IZ8EFD *RU5TT (R3TE) *OM40 (OM3NI)	
IZ1ZHG	* OM3RWB (OM3ZWA) * OKZSAR * UN1L * SP9BNM * S53NW * UXØDL * E78T * US7KC ORP ALL BAND TM3T (F5VBT)		*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W *DF0BLM (DG5VE) *102CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,045,9101,014,9781014,9781014,97816,292,09413,565,637	GWØA	2,750,185 2,478,060 2,449,560 2,449,560 2,382,531 2,091,744 2,069,676 1,983,860 1,941,984 1,767,456	*R5ACQ *RK9AK *7M400S *SV7CUD *EA3N0 *JR4GPA *IZ8EFD *RU5TT (R3TE) *OM40 (OM3NI) *AB1J *OQ4B (ON4BHQ)	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS		*D04W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,045,9101,014,978	GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA		*R5ACQ *RK9AK *7M400S *SV7CUD *EASNO *JR4GPA *IZ8EFD *RU5TT (R3TE) *0M40 (0M3NI) *AB1J *0048 (0N4BHQ) *Y050HY	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584
IZ1ZHG	* OM3RWB (OM3ZWA) * OKZSAR * UN1 L * SP9BNM * S53NW * UXOD L * E78T * US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ		*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *1Q2CU (IN3OWY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) *MULTI-OPERA TWO TRANSMI LX7I DR5N	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,045,9101,014,978 ITOR TTER16,292,09413,565,63710,937,40610,810,952	GWØA		*R5ACQ *RK9AK *7M400S *SV7CUD *EA3N0 *JR4GPA *IZ8EFD *RU5TT (R3TE) *OM40 (OM3NI) *AB1J *OQ4B (ON4BHQ)	310,860 188,612 180,101,168 52,540 47,946 43,164 Hz 412,875 245,072 233,640 186,839 175,584 175,584
IZ1ZHG	* OM3RWB (OM3ZWA) * OK2SAR * UN1L * SP9BNM * S53NW * UXØDL * E78T * US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG)		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V51YN (DJ4KW) *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A	2,241,9432,142,8751,553,8771,553,8771,478,0261,070,5351,045,9101,045,9101,014,97816,292,09413,565,63710,393,740610,393,740610,810,952	GWØA		*R5ACQ *RK9AK *7M4O0S *SY7CUD *EA3NO *JR4GPA *IZ8EFD *IZ8EFD *RU5TT (R3TE) *OM40 (OM3NI) *AB1J *OQ4B (ON4BHQ) *Y05OHY *I4UUL *S57YK *STYMAOOS *STYMAOOS *STYK *STYMAOOS *STYMAOOS *STYK *STYMAOOS *STYMAOOOS *ST	310,860 188,612 10,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,392 175,392
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT VE3KI		*DQ4W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *102CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,045,9101,014,978	GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY. 5W1SA VE2FU IK4ALIM IK2AHB		*R5ACQ *RK9AK *7M40OS *SV7CUD *EASNO *JR4GPA 14 MI *IZ8EFD *RU5TT (R3TE) *0M40 (0M3NI) *AB1J *0048 (0N4BHQ) *Y050HY *14UUL *S57YK *127XNB	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,584 175,982 138,138
IZ1ZHG	* OM3RWB (OM3ZWA) * OKZSAR * UN1L * SP9BNM * S53NW * UXØDL * E78T * US7KC ORP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT		*D04W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,048,9101,014,9781014,97810,292,09413,565,63710,937,40610,810,9525,219,5074,668,9504,609,640	GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM		*R5ACQ *RK9AK *7M4O0S *SY7CUD *EA3NO *JR4GPA *IZ8EFD *IZ8EFD *RU5TT (R3TE) *OM40 (OM3NI) *AB1J *OQ4B (ON4BHQ) *Y05OHY *I4UUL *S57YK *STYMAOOS *STYMAOOS *STYK *STYMAOOS *STYMAOOS *STYK *STYMAOOS *STYMAOOOS *ST	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,584 175,982 138,138
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN11 *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZ8JFL/1		*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *IO2CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I. DR5N NØNI S51A WX3SKY ED2C LN50 WR5J/7	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,045,9101,014,978 ITOR ITTER16,292,09413,565,63710,810,937,40610,810,9525,219,5074,668,9504,608,640	GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY. 5W1SA VE2FU IK4ALIM IK2AHB		*R5ACQ *RK9AK *7M40OS *SV7CUD *EASNO *JR4GPA 14 MI *IZ8EFD *RU5TT (R3TE) *0M40 (0M3NI) *AB1J *0048 (0N4BHQ) *Y050HY *14UUL *S57YK *127XNB	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 235,797 245,072 233,640 186,839 186,839 175,584 175,392 142,562 138,138 40,482
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M KZYG		*D04W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *OL2CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN50 WR5J/7 LZ7A		GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALIM IK2AHB UR5FBM VY2LI		*R5ACQ *RK9AK *TM400S *SV7CUD *EA3NO *JR4GPA *IZ8EFD *RU5TT (R3TE) *OM40 (OM3NI) *AB1J *OQ4B (ON4BHQ) *Y050HY *14UUL *S57YK *127XNB *RA9AFZ	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,584 175,584 175,982 138,138 40,482
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN1L *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M		*DQ4W (DL2MLU) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *IO2CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I. DR5N NØNI S51A WX3SKY ED2C LN50 WR5J/7		GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT		*R5ACQ *RK9AK *7M400S *SV7CUD *EASNO *JR4GPA 14 MI *IZ8EFD *NUSTT (R3TE) *0M40 (0M3NI) *AB1J *004B (0N4BHQ) *Y05DHY *14UUL *S57YK *1Z7XNB *RA9AFZ 7 MI- *IW4EGX	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,392 142,562 138,138 40,482
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN11 *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT VE3K1 IZ8JFL/1 KE8M K2YG COGRD		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *ID2CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,048,9101,014,97810,14,97816,292,09413,565,63710,937,40610,810,9525,219,5074,668,9504,609,6404,248,0103,870,143	GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALIM IK2AHB UR5FBM VY2LI		*R5ACQ *RK9AK *7M400S *SV7CUD *EASNO *JR4GPA 14 MI *IZ8EFD *RU5TT (R3TE) *OM40 (0M3NI)* *AB1J *0Q4B (0N4BHQ) *Y050HY *I4UUL *S57YK *IZ7XNB *RA9AFZ 7 MI *IW4EGX *YU2A	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,392 142,562 142,562 138,138 40,482
IZ1ZHG	* OM3RWB (OM3ZWA) * OKZSAR * UN1L * SP9BNM * S53NW * UXØDL * E78T * US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG CO6RD		*D04W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RYM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN50 WR5J/7 LZ7A DLØWRTC		GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R. GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KY7DX (AA7V) VY2LI HA5AWT KP4JFR		*R5ACQ *RK9AK *7M40OS *SV7CUD *EASNO *JR4GPA 14 MI *IZ8EFD *RUSTT (R3TE) *0M40 (0M3NI). *AB1J *0Q48 (0N4BHQ) *Y050HY *14UUL *S57YK *1Z7XNB *RA9AFZ 7 MH *IW4EGX *YU2A *OK2RU	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,584 175,584 175,584 175,382 142,562 138,138 40,482 tz 2,001,290 2,001,290 1,247,324 996,300
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG CO6RD 28 MHz		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *OL2CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN50 WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSMI		GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR		*R5ACQ *RK9AK *7M400S *SV7CUD *EASNO *JR4GPA *IZ8EFD *RUSTT (R3TE) *0M40 (0M3NI) *AB1J *0048 (0N4BHQ) *Y050HY *I4UUL *S57YK *IZ7XNB *RA9AFZ *IW4EGX *YU2A *OK2RU *IK30RD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,392 142,562 138,138 40,482 Hz 2,001,290 1,247,324 1,924,324 1,924,324 1,926,368
IZ1ZHG	* OM3RWB (OM3ZWA) * OKZSAR * UN11 * SP9BNM * S53NW * UXØDL * E78T * US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-OPERA MULTI-TRANSMI	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,048,9101,014,97810,14,97810,14,97810,14,97810,14,97810,14,97810,14,97810,14,97810,14,978	GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2L1 HA5AWT KP4JFR 21 MHz WK7S (K6LL)		*R5ACQ *RK9AK *7M40OS *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,392 142,562 142,562 148,188 40,482 tz 2,001,290 1,247,324 996,300 710,868 710,868
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN1L *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/I KE8M K2YG COGRD 28 MHz IØUZF HA3JB COGEC		*D04W (DL2MLU) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OKR2WM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I. DR5N		GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R. GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA. VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX)		*R5ACQ *RK9AK *7M40OS *SV7CUD *EA3NO *JR4GPA 14 MI *IZ8EFD *RUSTT (R3TE) *0M40 (0M3NI). *AB1J *0048 (0M4BHQ) *Y050HY *14UUL *S57YK *1Z7XNB *RA9AFZ 7 MH *IW4EGX *YU2A *0K2RU *IR3ORD *DL5KUD *DL5KUD *OP4A	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,584 175,584 175,584 175,382 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 761,088 761,0880 761,0880 761,0880 761,0880
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *SS3NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *OL2CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSMI 9A1A RWØA NR4M		GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ		*R5ACQ *RK9AK *7M40OS *SV7CUD *EASNO *JR4GPA 14 MI *IZ8EFD *RU5TT (R3TE) *0M40 (0M3NI) *AB1J *0048 (0N4BHQ) *Y050HY *14UUL *S57YK *1Z7XNB *RA9AFZ 7 MI *IW4EGX *YU2A *OKZRU *IK30RD *DL5KUD *OP4A *LYZPAD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,584 175,392 1142,562 138,138 40,482 42 2,001,290 1,247,324 396,300 761,068 710,820 2286,000 256,680
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN11		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M YL39ØUI		GWØA RU3FM OE2E (OE2GEN) ON6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL). SP8K (SQBJX) RW4WZ M7P (G6NHU)		*R5ACQ *RK9AK *7M4OOS *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,584 175,392 142,562 142,5
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN11 *SP9BNM *SF9BNM *SF3SNW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT VE3K1 IZBJFL/1 KE8M K2YG CO6RD 28 MHz IØUZF HA3JB CO6EC M3OPG RT4W HA3HX	375,452369,984368,39237,776317,504266,228264,020262,1601,793,8391,360,7301,309,5421,231,3601,043,07210,40,732791,132669,383611,226481,584366,605119,61694,15069,91357,48633,558	*D04W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OKR2WM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I. DR5N		GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R. GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KY7DX (AA7V). VY2LI HA5AWT KP4JFR WK7S (K6LL). SP8K (SQ8JX) RW4WZ M7P (G6NHU) U16LS		*R5ACQ *RK9AK *7M40OS *SV7CUD	
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *SS3NW *UXØDL *E78T *US7KC ORP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG CO6RD 28 MHz IØUZF HA3JB CO6EC M3OPG RT4W HA3HX JRØBUL		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ). MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSMI 9A1A RWØA NR4M YL39ØUI VC7G DG4UF		GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALIM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX). RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW)		*R5ACQ *RK9AK *7M4OOS *SV7CUD	
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE)		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX		GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) N6JV		*R5ACQ *RK9AK *7M400S *SV7CUD *EASNO *JR4GPA 14 MI *IZ8EFD *NUSTT (R3TE) *0M40 (0M3NI) *AB1J *0O48 (0N4BHQ) *Y05DHY *14UUL *S57YK *1Z7XNB *RA9AFZ 7 MI *IW4EGX *YU2A *0K2RU *1K30RD *DL5KUD *0P4A *LY2PAD *UX5UU *Z33F *JI3CWI	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,392 142,562 142,562 2,001,290 1,247,324 28,000 266,680 185,468 65,990 52,724
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN11 *SP9BNM *SF3SNW *UXØDL *E78T *US7KC QRP ALL BAND RX1CO RX1CO RV4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG CO6RD 28 MHz IØUZF HA3JB CO6EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7. LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C		GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) NGJV JH8SIT		*R5ACQ *RK9AK *7M40OS *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,392 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 256,680 256,680 256,680 185,468 65,090 52,724
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE)		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ). MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WK5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSMI 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A		GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) N6JV JH8SIT JA6VQA		*R5ACQ *RK9AK *7M40OS *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,584 175,584 175,584 175,584 175,382 20,001,290 1,247,324 996,300 761,068 7710,820 286,000 256,680 185,468 65,090 52,724
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *SS3NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7. LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C		GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) NGJV JH8SIT		*R5ACQ *RK9AK *7M400S *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,392 142,562 142,562 2,001,290 1,247,324 996,1008 710,820 286,0680 185,468 65,090 52,724 Hz 42 337,776 337,7564
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN1L *SP9BNM *SS3NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A NB3R		GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R GMTC (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) JH8SIT JA6VQA WA5ZUP		*R5ACQ *RK9AK *7M4OOS *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,584 175,392 142,562 142,562 142,562 20,01,290 1,247,324 996,300 286,000 286,000 185,468 65,090 52,724 Hz 337,776 317,504 98,560
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR *UN1L *SP9BNM *SS3NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG		*D04W (DL2MLÚ) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OKR2WM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N		GWØA		*R5ACQ *RK9AK *7M40OS *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,584 175,584 175,584 175,584 175,982 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 761,068 710,688 710,688 65,090 256,680 185,468 65,090 52,724 Hz 337,776 317,504
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN1L *SP9BNM *SS3NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *SK2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WK5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSMI 9A1A RW0A NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A NB3R ROOKIE HIGH POWE		GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALIM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) NGJV JH8SIT JA6VQA WA5ZUP 14 MHz		*R5ACQ *RK9AK *7M40OS *SY7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,392 142,562 138,138 40,482 42 2,001,290 1,247,324 396,300 256,680 185,468 65,090 52,724 Hz 337,776 337,764 337,764 398,560 39,928 7,680
IZ1ZHG	*OM3FW/B (OM3ZWA) *OK2SAR *UN1L *SP9BNM *SS3NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD K16KG 21 MHz Y03DAC SP4LVK Y09CWY		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A NB3R ROOKIE HIGH POWE ALL BAND	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,045,9101,014,97813,565,63713,565,63710,937,40610,810,9525,219,5074,609,6404,248,0103,870,1433,589,10910,810,9524,609,6404,248,0104,248,0104,248,0104,135,711	GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) N6JV JH8SIT JA6VQA WA5ZUP 14 MHz Y03VU USØMS		*R5ACQ *RK9AK *7M4OOS *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 186,839 175,584 175,392 142,562 142,562 2,001,290 1,247,324 996,1068 710,820 286,000 256,680 185,468 65,090 52,724 Hz 337,776 317,504 99,560 39,928 7,680 7,070
IZ1ZHG	* OM3RWB (OM3ZWA) * OKZSAR * UN11 * SP9BNM * S53NW * UXØDL * E78T * US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RV4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG 21 MHz YO3DAC SP4LVK YO9CWY IZBGNR		*D04W (DL2MLÜ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A NB3R ROOKIE HIGH POWE ALL BAND	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,045,9101,014,978 TTER16,292,09413,565,63710,937,40610,810,9525,219,5074,668,9504,609,6404,248,0103,870,1433,589,109108 ITTER24,749,20915,393,76614,903,6859,845,2047,773,3827,371,4535,967,8494,383,7044,135,711	GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2L1 HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) NGJV JH8SIT JA6VQA WA5ZUP 14 MHz YQ3VU USØMS MØUNI		*R5ACQ *RK9AK *7M40OS *SY7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,392 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 761,082 710,820 761,082 710,820 752,724 Hz 337,776 317,504 98,560 39,928 7,680 39,928 7,000 3,658
IZ1ZHG	* OM3RWB (OM3ZWA) * OKZSAR * UN11 * SP9BNM * S53NW * UXØDL * E78T * US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RV4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG 21 MHz YO3DAC SP4LVK YO9CWY IZBGNR		*D04W (DL2MLU) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OKR2WM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A NB3R ROOKIE HIGH POWE ALL BAND A71AM OG9ØAA (OH8FAL)		GWØA. RU3FM 0E2E (0E2GEN). 0N6NL N3QE. EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALIM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) NGJV JH8SIT JA6VQA WA5ZUP 14 MHz YQ3VU USØMS MØUNI WSRTY		*R5ACQ *RK9AK *7M4OOS *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,392 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 761,082 710,820 761,082 710,820 752,724 Hz 337,776 317,504 98,560 39,928 7,680 39,928 7,000 3,658
IZ1ZHG	*OM3FW/B (OM3ZWA) *OK2SAR *UN1L *SP9BNM *SS3NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG C06RD 28 MHz IØUZF HA3JB C06EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD K16KG 21 MHz Y03DAC SP4LVK Y09CWY	375,452 369,984 368,392 337,776 317,504 266,228 264,020 262,160 1,793,839 1,360,730 1,309,542 1,231,360 1,043,072 1,040,732 2779,132 669,383 611,226 481,584 366,605 119,616 94,150 69,913 57,486 33,558 31,110 12,772 11,310 10,974 118,793 94,301 118,793 94,301 37,548 33,7548 33,7548 33,7548 33,7548 33,7548 33,7548	*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSMI 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A NB3R ROOKIE HIGH POWE ALL BAND A71AM ROOKIE HIGH POWE ALL BAND A71AM CG9ØAA (OH8FAL) K5MXG		GWØA. RU3FM 0E2E (0E2GEN) 0N6NL N3QE. EV1R GM1C (GM1BSG) EW4AA. K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) N6JV JH8SIT JA6VOA WA5ZUP 14 MHz Y03VU USØMS MØUNI W3RTY EU1DX		*R5ACQ *RK9AK *7M40OS *SY7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,392 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 761,082 710,820 761,082 710,820 752,724 Hz 337,776 317,504 98,560 39,928 7,680 39,928 7,000 3,658
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN11 *SP9BNM *SF3SNW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT VE3KI IZBJFL/1 KE8M K2YG CO6RD 28 MHz IØUZF HA3JB CO6EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG 21 MHz YO3DAC SP4LVK YO9CWY IZBGNR WFØT		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A NB3R ROOKIE HIGH POWE ALL BAND A71AM OG9ØAA (OH8FAL) K5MXG TF2CT		GWØA RU3FM OE2E (OE2GEN) ON6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) N6JV JH8SIT JA6VQA WA5ZUP 14 MHz VG3WN MØUNI WSRTY EU1DX IV3IXN		*R5ACQ *RK9AK *7M40OS *SY7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,392 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 761,082 710,820 761,082 710,820 752,724 Hz 337,776 317,504 98,560 39,928 7,680 39,928 7,000 3,658
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR. *UN11 *SP9BNM *S53NW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ RU4SS TM9K (F5BEG) CT1BXT VE3KI IZ8JFL/1 KE8M K2YG CO6RD 28 MHz IØUZF HA3JB CO6EC M30PG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG 21 MHz Y03DAC SP4LVK Y09CWY IZ8GNR WFØT DL2TM JR1NKN		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSMI 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A NB3R ROOKIE HIGH POWE ALL BAND A71AM ROOKIE HIGH POWE ALL BAND A71AM CG9ØAA (OH8FAL) K5MXG		GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KY7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) JH8SIT JA6VQA WA5ZUP 14 MHz Y03VU USØMS MØUNI W3RTY EU1DX IV3IXN IK1BPL		*R5ACQ *RK9AK *7M40OS *SY7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,392 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 761,082 710,820 761,082 710,820 752,724 Hz 337,776 317,504 98,560 39,928 7,680 39,928 7,000 3,658
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN11 *SP9BNM *SF9BNM *SF3SNW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT VE3K1 IZ8JFL/1 KE8M K2YG CO6RD 28 MHz IØUZF HA3JB CO6EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG 21 MHz Y03DAC SP4LVK Y09CWY IZ8GNR WFØT DL2TM JR1NKN HB9/WZNR1	375,452 369,984 358,392 337,776 317,504 266,228 264,020 262,160 1,793,839 1,360,730 1,309,542 1,231,360 1,043,072 1,040,732 779,132 669,383 611,226 481,584 366,605 119,616 94,150 69,913 57,486 33,558 31,110 12,772 11,310 110,974 118,793 94,301 37,548 33,558 31,110 12,772 11,310 10,974	*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A NB3R ROOKIE HIGH POWE ALL BAND A71AM OG9ØAA (OH8FAL) K5MXG TF2CT		GWØA RU3FM OE2E (OE2GEN) ON6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) N6JV JH8SIT JA6VQA WA5ZUP 14 MHz VG3WN MØUNI WSRTY EU1DX IV3IXN		*R5ACQ *RK9AK *7M40OS *SY7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,392 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 761,082 710,820 761,082 710,820 752,724 Hz 337,776 317,504 98,560 39,928 7,680 39,928 7,000
IZ1ZHG	*OM3RWB (OM3ZWA) *OK2SAR. *UN1L *SP9BNM *S53NW *UXØDL *E78T. *US7KC QRP ALL BAND TM3T (F5VBT) RX1CQ. RU4SS. TM9K (F5BEG) CT1BXT. VE3KI IZBJFL/1 KE8M K2YG. CO6RD. 28 MHz IØUZF HA3JB. CO6EC M3OPG. RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG. 21 MHz Y03DAC. SP4LVK Y09CWY IZBGNR WFØT DL2TM JR1NKN HB9/IW2NRI JE1CAC		*D04W (DL2MLU) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *I02CU (IN30WY) *OKR2WM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ) MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WR5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSM 9A1A RWØA NR4M VC7G DG4UF KH7XX OH5C S53A NB3R ROOKIE HIGH POWE ALL BAND A71AM OG9ØAA (OH8FAL) K5MXG TF2CT N7BX/1	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,045,9101,014,97810,14,97811,14,97811	GWØA RU3FM 0E2E (0E2GEN) 0N6NL N3QE EV1R GM1C (GM1BSG) EW4AA K3MD EA1BD 28 MHz W9ILY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KY7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (SQ8JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) JH8SIT JA6VQA WA5ZUP 14 MHz Y03VU USØMS MØUNI W3RTY EU1DX IV3IXN IK1BPL		*R5ACQ *RK9AK *7M4OOS *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,392 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 761,082 710,820 761,082 710,820 752,724 Hz 337,776 317,504 98,560 39,928 7,680 39,928 7,000
IZ1ZHG	*OM3RWB (OM3ZWA) *OKZSAR *UN11 *SP9BNM *SF9BNM *SF3SNW *UXØDL *E78T *US7KC QRP ALL BAND TM3T (F5VBT) RX1CO RU4SS TM9K (F5BEG) CT1BXT VE3K1 IZ8JFL/1 KE8M K2YG CO6RD 28 MHz IØUZF HA3JB CO6EC M3OPG RT4W HA3HX JRØBUL ZM3T (W3SE) F5SDD KH6KG 21 MHz Y03DAC SP4LVK Y09CWY IZ8GNR WFØT DL2TM JR1NKN HB9/WZNR1		*D04W (DL2MLÚ) *V31YN (DJ4KW) *V31YN (DJ4KW) *LY5W *DFØBLM (DG5VE) *OL2CU (IN30WY) *OK2RVM (OK2PDU) *SX2AG (SV2HTI) *SN1A (SP1MHZ). MULTI-OPERA TWO TRANSMI LX7I DR5N NØNI S51A WX3SKY ED2C LN5O WX3SKY ED2C LN5O WM5J/7 LZ7A DLØWRTC MULTI-OPERA MULTI-TRANSMI 9A1A RWØA NR4M YL39ØUI VC7G DG4UF KH7XX OH5C S53A NB3R ROOKIE HIGH POWE ALL BAND A71AM OG9ØAA (OH8FAL) K5MXG TF2CT N7BX/1 DK6VCO	2,241,9432,142,8751,553,8771,478,0261,367,9161,070,5351,045,9101,014,97810,14,97811,14,97811	GWØA. RU3FM 0E2E (0E2GEN). 0N6NL N3QE. EV1R GM1C (GM1BSG) EV4AA. K3MD EA1BD 28 MHz W91LY 5W1SA VE2FU IK4ALM IK2AHB UR5FBM KV7DX (AA7V) VY2LI HA5AWT KP4JFR 21 MHz WK7S (K6LL) SP8K (S08JX) RW4WZ M7P (G6NHU) UA6LJB KZ7X (W7WW) NGJV JH8SIT JA6VQA WA5ZUP 14 MHz Y03VU USØMS MØUNI W3RTY EU1DX IV3IXN IK1BPL PY2KJ		*R5ACQ *RK9AK *7M4OOS *SV7CUD	310,860 188,612 110,168 52,540 47,946 43,164 Hz 412,875 335,797 245,072 233,640 175,392 142,562 138,138 40,482 tz 2,001,290 1,247,324 996,300 761,082 710,820 761,082 710,820 752,724 Hz 337,776 317,504 98,560 39,928 7,680 39,928 7,000

14 • CQ • August 2015 Visit Our Web Site

fixes logged, about the same as 2014. Once again, 9A1A captured the most prefixes at 1,247, an increase of 3% over their record set in 2013.

As time goes on, more YouTube videos are posted of contest operations and at least seven were done for this contest: YE1ZAT, OH6FXL, EU5ML, HS2LSE, TA5FA, 5W1SA, and WCØWB.

Single-Operator (2,702 entries)

There are many Single-Operator entry categories to satisfy a wide range of interests. Low Power remains the most popular power level and 10 meters was the most popular Single-Band category again this year:

	80	40	20	15	10	SB	AB	SO
QRP	6	9	14	13	20	65	93	158
LP	31	68	81	107	154	441	1185	1626
HP	17	45	42	62	91	257	661	918
Total	51	134	126	176	218	705	1927	2702

QRP (158)

Francesco, IØUZF, won 10-meter QRP, setting a new European record and Jose, CO2EC, was third with a new North American record. Kazuo, JRØBUL, was first in Asia for 7th place overall. Wes, ZM3T (W3SE), was first in Oceania for 8th place overall.



Robb, GØURR, doesn't let a small city lot deter his RTTY contesting. Instead, he sets up a field day style operation in the New Forest in Hampshire England. The 30-foot, multiband vertical is the "antenna garden" and four car batteries, an FT-857 and a small laptop suffice for outfitting the temporary ham shack in the back seat of his automobile. Robb's wife photographed his craziness.

	2015 CQ WW V	PX RTTY TOP UNITED S	STATES SCORES	
SINGLE OPERATOR	K4KGG95,700	*K5WW4,320	MULTI-OPERATOR	28 MHz
HIGH POWER	WW4LL91,168	*N6IC1,518	TWO TRANSMITTER	W9ILY1,274,90
ALL BAND			NØNI10,937,406	KV7DX (AA7V)87,34
AA3B8,206,200	LOW POWER	3.5 MHz	WX3SKY5,219,507	
ACØC5,677,044	ALL BAND	*W3EC9,460	WR5J/74,248,010	21 MHz
WK1Q (K1MK)5,033,161	*KK9A/45,161,074	*K3UA4,176	W4CV1,985,752	WK7S (K6LL)1,726,01
ABØRX4,296,474	*K9NR2,561,288		W4ML1,815,255	KZ7X (W7WW)431,25
(F203,025,295	*KS7AA (WK6I)2,265,324	QRP	KN5S854,792	N6JV370,64
V4DXX3,005,860	*WW3S2,239,695	ALL BAND	NC7M802,900	WA5ZUP9,19
VQ6K (N6IE)2,939,034	*NY6DX/21,763,335	KE8M669,383	WB8SKP/4571,536	
IG1G (K1SD)2,890,680	*AD5XD1,469,600	K2YG611,226		14 MHz
NW7RY (W7RY)2,449,122	*WD4AHZ1,442,979	W6QU (W8QZA)333,703	MULTI-OPERATOR	W3RTY123,12
V3QE2,382,531	*NTØF1,316,052	KC7CM67,648	MULTI-TRANSMITTER	***************************************
	*AE1P1,303,680	WR9Y30,411	NR4M14,903,685	7.800
28 MHz	*KA2D1,218,354	W4ZGR23,644	NB3R4,135,711	7 MHz
(4WI1,441,600		W4GDG22,644	W3UL/43,984,357	K90M/42,380,32
V9ILY1,274,900	28 MHz	WA8HSB/419,837		W1AJT/4335,87
AA5AU1,129,361	*K3NK138,380	KG4IGC19,805	ROOKIE	WM9Q258,91
N7ZR1,055,600	*W6TK137,509	KEØG18,426	HIGH POWER	W6RKC49,28
I3UA/4321,610	*KD2HXI110,484		ALL BAND	W9AKS47,42
GHGF318,636	*K5ND78,754	28 MHz	K5MXG325,278	
(R2AR (N6EE)307,545	*KCØDEB76,944	N3CZ/41,320	N7BX/1131,580	LOW POWER
A4CF190,242	*WF5E (W5AJ)68,392		107 070 1	ALL BAND
ØJJR181,764	*N2WN43,775	21 MHz	LOW DOWED	*NY6DX/21,763,33
7GS172,886	*WNØL30,385	WFØT23,205	LOW POWER	*AD5XD1,469,60
	*N3MWQ29,610		ALL BAND	*WD4AHZ1,442,97
21 MHz	*WA9AFM/5 (WA9AFM/5)21,762	14 MHz	*AB3TM204,720	*AE1P1,303,68
U2M2,120,848		KQ7M (KØMP)17,596	*KDØWWH168,365	*KA2D1,218,3
8IA/72,044,035	21 MHz	KB2HSH8,184	*AC2PB115,993	*WV1K (N1IXF)1,154,86
/K7S (K6LL)1,726,018	*W4LC536,843		*K1DB071,977	*WX1S1,117,6
V8JWN817,858	*W1ZD/7525,780	7 MHz	*KDØUWZ52,794	*AI9P/2 (N2NF)1,035,5
6MR676,860	*N9TGR521,752	N3CRT/219,240	*KK4PHP38,180	*WB2RHM/4950,79
Z7X (W7WW)431,258	*W1NK12,450		*KG5CUK34,656	*NØOJ882,7
6JV370,640	*AD5LU12,236	3.5 MHz	*KE3LA30,380	
SØAA339,200	*KFØIQ8,892	NW3R (NH7C)21,546	*KC1AXJ23,124	28 MHz
30Q123,327	*N1JM/73,735		*K8CBC14,608	*K90MW7,14
/7CT97,110	*K9DR/73,240	MULTI-OPERATOR		*NA1DX/35,4
	*K7WLF1,431	SINGLE TRANSMITTER (HIGH)	28 MHz	,
14 MHz	*NA2U/71,421	NCØDX (WØLSD)5,027,535	*KD2HXI110,484	21 MHz
3RTY123,120		WQ2N		*W4LC536,8
13Q83,174	14 MHz	KB802.713.038	TRIBANDER/SINGLE ELEMENT	*W1ZD/7525,7
I7DG6,336	*AD7JP (K2P0)642,915	KZ1W/72,389,632	HIGH POWER	*N9TGR521,7
	*AB1J233,640	N2BJ/92,147,712	ALL BAND	NOTUIT
7 MHz	*W2JV60,671	NN4MM (AA4YL)1,715,546	N3QE2,382,531	44.8811
90M/42,380,320	*N7DB	KT111,515,240	K3MD1,941,984	14 MHz
/1AJT/4335,872	1,502	KN5TX (WA5FWC)1,512,180	W4CU1,941,984	*AB1J233,6
/M9Q258,912	7 MHz	WE5DX (AD50W)1,132,498	WØELT/91,116,660	*N7DB7,9
M1W (W1UE)221,034		W8BI (KF8MZ)405,807	NO2T1,093,557	
/6RKC49.284	*K7WP186,048		W6AEA/7982,894	7 MHz
9AKS47.424	*AB9YC128,160	MILL TI ODEDATOR	W6SAI/4 (K4CWW)580,628	*K5WW4,3
2NS/627,060	*K9WX83,720 *KA9044,084	MULTI-OPERATOR Single transmitter (LOW)	W2YE/4573,927	
	*NA5NN (K2FF)40,800	*NM1C806,949	W4UK	*Low Power
3.5 MHz			W1T0423,512	
3.5 WHZ 4FJ97,626	*AA4FU20,286 *KAØEIC10.304	*N9UA144,275 *W4TMO62,010	W 110420,012	

www.cq-amateur-radio.com August 2015 • CQ • 15

Iulian, YO3DAC, took first on 15 meters and Warren, WFØT, won North America for 5th place. Atsushi, JR1NKN, was 7th, winning Asia.

Andrezej, SP6GCU, won 20 meters with a new European record. Bill, KQ7M, (KØMP) took 5th place and won North America.

Vittorio, IZ2JPN, won 40 meters and

Charles, N3CRT, won North America for 8th place.

Sergii, UR9QQ, won 80 meters and Sid, NW3R (NH7C), set a new North America record for 2nd place. Dai, JF2IWL, set a new Asian record for 4th place overall.

Rudolf, TM3T (F5VBT), set a new world (and European) record in All Band QRP

2015 CQ WW WPX RTTY TOP EUROPE SCORES

while Rich, VE3KI, took 6th place for a new North American record. Munehiro, JH3DMQ, set a new Asian record. Linneu, PY1ON, won South America and Nob, YBØANN, won Oceania.

Low Power (1626)

Julio, YV1KK, set a new 10-meter Low Power world (and South American)

SINGLE OPERATOR	*UR6EA2,202,470	28 MHz	ED2C4,668,950	14 MHz
HIGH POWER	*F4ERS2,116,936	IØUZF366,605	LN504,609,640	Y03VU502,518
ALL BAND	*S5ØP1,965,055	HA3JB119,616	LZ7A3.870.143	USØMS301,070
UW2M (URØMC)8,142,372	*ED1A (EA1AST)1,813,215	M30PG69,913	DLØWRTC3,589,109	MØUNI166,915
LZ8E (LZ2BE)7,319,532	*UC6A1,684,929	RT4W57,486	UC4C2,749,286	EU1DX111,042
SP7GIQ6,417,972	*UT8EL	HA3HX33,558	0010	IV3IXN96,416
EM2G (UR7G0)6,206,188	010LL1,004,000	F5SDD		IK1BPL65,280
II2V (IK2NCJ)5,239,842	28 MHz	IZ7ZKV6.100	MULTI-OPERATOR	11(10) 200,200
EMØI (UT2IZ)4,418,436	*UY2UA621,270	UW5IM3,549	MULTI-TRANSMITTER	7 MHz
LY9Y4,390,092	*EA1ACP595,707	IZ1ANK1,638	9A1A24,749,209	S51CK2,007,882
GWØA2,750,185	*YT8A (YU1EA)564,750	UX9Q1,219	YL39ØUI9,845,010	DJ2RG286,590
IZ4AFW2,619,045	*ON3DI394,684	UA9Q1,219	DG4UF	EA3DUM283,360
RU3FM2,478,060	*EA1DR349,524	21 MHz	OH5C5,967,849	LAGDOW200,000
11001 W2,470,000	*RA6GW344.100	Y03DAC118.793	S53A4,383,704	3.5 MHz
28 MHz	*US1Q323,765	SP4LVK94,301	DL65DARC4,018,980	OK2SFP929,568
		Y09CWY37,548		IV3SKB554,896
9A5Y2,017,122	*G8X (G4FJK)275,264		ROOKIE	1V35ND334,090
ES5Q (ES4RD)1,621,262	*D04DXA263,980	IZ8GNR33,335	HIGH POWER	LOW DOWED
G8DX	*SV5BYR237,195	DL2TM21,185	ALL BAND	LOW POWER All Band
DK3T (DK3EE)		HB9/IW2NRI18,920	OG9ØAA (OH8FAL)376,739	
HA8JV1,261,950	21 MHz	DJ6TB7,038	TF2CT272,970	*OQ6A (ON5MF)3,637,840
YT2R (YU1AU)1,156,948	*EE7Y (EC7WA)1,298,220	YT9VM2,050	DK6VC085,374	*UR6EA2,202,470
RT3P (UA3PAB)870,016	*GM5M (GM4ZNC)899,175	4 / 8411-	SV1QXU72,030	*IK3TPP1,387,008
\$57DX	*Z36N768,200	14 MHz	LA8FTA49,911	*LN7TTT (LA5LJA)1,263,021
OHØZ (OH3BHL)845,802	*DJ4MH574,820	SP6GCU292,635	SQ2KUM4,888	*SP6AXW
MWØZZK792,810	*IZ5UFR517,759	SBØA (SMØLPO)224,954	7,000	*UR4U (UR4UDI)1,237,375
04 ****	*IT9CLN514,113	HG6C (HA6IAM)142,065	I OW DOWED	*EW1NA1,067,220
21 MHz	*MØ0X0322,287	DL9IM74,340	LOW POWER	*F4GDI1,044,186
OGØZ (OH9MM)3,236,205	*R5ACQ310,860	IZ2QKG16,643	ALL BAND	*US6CQ1,022,976
ES5RY2,544,136	*YL2QV302,528	RA3XEV10,366	*DK60R384,336	*IV3BCA997,640
UW1M2,263,668	*EA5ET275,948	0Z4ZT5,724	*R20M	
3Z5N (SP5GRM)1,979,460		IZ1TTR5,096	*DL6WM319,608	28 MHz
OL8M1,794,835	14 MHz	IZ5MOQ4,998	*SA6CM0313,876	*IW9FDD186,867
IQ9UI (IT9WNU)1,680,225	*YT2T1,038,558	YU1RH2,553	*UR5LY306,138	*DF4WC89,280
SQ9UM1,659,504	*URØHQ687,810		*TF2MSN293,930	*IK5ZUB83,424
DL3BQA1,514,200	*SP4JCQ628,760	7 MHz	*S57SWR223,232	*Z31MM68,544
YU1UN1,442,912	*S53F485,940	IZ2JPN204,930	*M6ESV197,072	*G6GLP20,706
SP8K (SQ8JX)1,196,874	*IZ8EFD412,875	IK4UXA187,704	*ISØDCR194,040	*IT9BGY9,394
	*RU5TT (R3TE)335,797	UX5UU185,468	*0K2AW140,805	*I4JEE1,680
14 MHz	*ES2DJ321.708	IK7XNF106,500		
CR2X (OH2PM)3,270,504	*IW2HUS273.730	IW1BC073,836	28 MHz	21 MHz
TM6M (F4DXW)3,170,120	*OM40 (OM3NI)245,072	Z33F65,090	*RA6GW344,100	*R5ACQ310,860
S04M2,330,506	*EA2BNU222,999	YT2PFR48,150	*9A3DZH20,640	*SV7CUD52,540
IT9AUG1,797,525	EAZDNU222,999	YT5TT38,088	*IZ7ZKV6,100	*EA3NO47,946
IT9HBT1,181,880			127210	*HB9/IW2NRI18,920
IW3RUA989,230	7 MHz	3.5 MHz	21 MHz	1120/11121111
IZ1ZHG660,666	*IW4EGX2,001,290	UR9QQ30,758	*EU2TT95,183	14 MHz
IK4DCX523,768	*YU2A1,247,324	9A1IW3,658	EU21195,103	*IZ8EFD412,875
Y03VU502,518	*0K2RU996,300	9A11W	14 MHz	*RU5TT (R3TE)335,797
SV3EXU483,945	*SQ2NNN990,528			*OM40 (OM3NI)245,072
0V0LNO	*HA1WD779,580	MULTI-OPERATOR	*EW2E01,827	*OQ4B (ON4BHQ)186,839
7 MHz	*IK30RD761,068	SINGLE TRANSMITTER (HIGH)	7 8811-	*Y050HY175,584
	*I3PXN739,152	HG1S (HA1TJ)9,555,980	7 MHz	*I4UUL175,392
OK6W (OK1MU)4,289,600 S5ØA4,286,128	*DL5KUD710,820	ED1R (EC1KR)	*S54MI263,780	*S57YK142,562
	*SV1DPP632,196	HG7T (HA5WA)8,597,160	*YT2PFR48,150	
OM/IT9RGY (IT9RGY)4,060,964	*UX7UW491,866	DVCV (DUCVI) C 07F 700		
EA5RS (UT5UDX)4,022,656	UN7 UVV431,000	RY6Y (RU6YJ)6,275,700		*IZ7XNB
		SZ1A (SV1CIB)6,206,723	TRIBANDER/SINGLE ELEMENT	*DK5TX24,552
LY803,619,560	3.5 MHz	SZ1A (SV1CIB)6,206,723 EI1Y (EI3KG)6,187,743	HIGH POWER	
LY803,619,560 IW1QN3,354,108		SZ1A (SV1CIB)	HIGH POWER ALL BAND	*DK5TX24,552 *IZ2QKG16,643
LY80	3.5 MHz *SQ2RGB674,674 *OK2HBR410,220	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA2,750,185	*DK5TX
LY80	3.5 MHz *SQ2RGB674,674	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA2,750,185 RU3FM2,478,060	*DK5TX
LY80	3.5 MHz *SQ2RGB	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA	*DK5TX
LY80	3.5 MHz *SQ2RGB	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA	*DK5TX
LY80	*SQ2RGB	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA 2,750,185 RU3FM 2,478,060 0E2E (0E2GEN) 2,449,560 0N6NL 2,406,003 EV1R 2,091,744	*DK5TX 24,552 *IZ20KG 16,643 7 MHz *IW4EGX 2,001,290 *YU2A 1,247,324 *OK2RU 996,300 *IK30RD 761,068
LY80	*\$02RGB 674,674 *0K2HBR 410,220 *0M3RWB (0M3ZWA) 375,452 *0K2SAR 369,984 *SP9BNM 337,776 *\$53NW 317,504	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA 2,750,185 RU3FM 2,478,060 0E2E (0E2GEN) 2,449,560 0N6NL 2,406,003 EV1R 2,091,744	*DK5TX24,552 *IZ20KG16,643 7 MHz *IW4EGX2,001,290 *YU2A 1,247,324 *OK2RU996,300 *IK30RD761,068 *DL5KUD710,820
LY80	*\$Q2RGB	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA	*DK5TX . 24,552 *IZ20KG . 16,643
LY80 3,619,560 IW10N 3,354,108 S51CK 2,007,882 RV5K 1,629,612 DP7D (DF10R) 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz 019A 1,626,784 0K2SFP 929,568	*\$02RGB. 674,674 *0K2HBR. 410,220 *0M3RWB (0M3ZWA) 375,452 *0K2SAR. 369,984 *\$P9BNM. 337,776 *\$53NW 317,504 *UXØDL 266,228 *E78T. 264,020	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA	*DK5TX
LY80 3,619,560 IW10N 3,354,108 S51CK 2,007,882 RV5K 1,629,612 DP7D (DF10R) 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A 1,626,784 OK2SFP 929,568 LY2SA 836,076	*\$02RGB. 674,674 *0K2HBR. 410,220 *0M3RWB (0M3ZWA). 375,452 *0K2SAR. 369,984 *SP9BMM. 337,776 *\$53NW 317,504 *UXØDL. 266,228 *E78T 264,020 *US7KC 262,160	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA	*DK5TX
LY80	*\$02RGB. 674,674 *0K2HBR. 410,220 *0M3RWB (0M3ZWA) 375,452 *0K2SAR. 369,984 *\$P9BNM. 337,776 *\$53NW 317,504 *UXØDL 266,228 *E78T. 264,020	\$Z1A (\$V1CIB)	HIGH POWER ALL BAND GWØA 2,750,185 RU3FM 2,478,060 0E2E (0E2GEN) 2,449,560 0N6NL 2,406,003 EV1R 2,091,744 GM10 (GM1BSG) 2,069,676 EW4AA 1,983,860 EA1BD 1,767,456	*DK5TX
LY80 3,619,560 IW10N 3,354,108 S51CK 2,007,882 RV5K 1,629,612 DP7D (DF10R) 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz 0L9A 1,626,784 0K2SFP 929,568 LY2SA 836,076 0H3FM 608,938 IV3SKB 554,896	*SO2RGB. 674,674 *OK2HBR. 410,220 *OM3RWB (OM3ZWA) 375,452 *OK2SAR. 369,984 *SP9BNM. 337,776 *SS3NW 317,504 *UXØDL 266,228 *E78T 264,020 *US7KC 262,160 *SQ1BVG/2 202,910	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA	*DK5TX 24,552 *IZ20KG 16,643 7 MHz *IW4EGX 2,001,290 *YU2A 1,247,324 *OK2RU 996,300 *IK30RD 761,068 *DL5KUD 710,820 *OP4A 286,000 *LY2PAD 256,680 *UX5UU 185,468 *Z33F 65,090
LY80 3,619,560 IW10N 3,354,108 S51CK 2,007,882 RV5K 1,629,612 DP7D (DF10R) 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A 1,626,784 OK2SFP 929,568 LY2SA 836,076 OH3FM 608,938 IV3SKB 554,896 DJ60T 431,750	*S02RGB. 674,674 *0K2HBR 410,220 *0M3RWB (0M3ZWA) 375,452 *0K2SAR 369,984 *SP9BMM 337,776 *S53NW 317,504 *UXØDL 266,228 *E78T 264,020 *US7KC 262,160 *S01BVG/2 202,910	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA	*DK5TX
LY80 3,619,560 IW10N 3,354,108 S51CK 2,007,882 RV5K 1,629,612 DP7D (DF10R) 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A 1,626,784 OK2SFP 929,568 LY2SA 836,076 OH3FM 608,938 IV3SKB 554,896 DJ60T 431,750 DJ80P 302,696	*\$02RGB	\$Z1A (\$V1CIB)	HIGH POWER ALL BAND GWØA	*DK5TX. 24,552 *IZ20KG
LY80. 3,619,560 IW10N. 3,354,108 S51CK. 2,007,882 RV5K. 1,629,612 DPTD (DF10R). 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A. 1,626,784 OK2SFP. 929,568 LY2SA. 836,076 OH3FM. 608,938 IV3SKB 554,896 DJ60T 431,750 DJ80P. 302,696 EW8DZ. 300,924	*\$02RGB. 674,674 *0K2HBR. 410,220 *0M3RWB (0M3ZWA). 375,452 *0K2SAR. 369,984 *\$P9BNM. 337,776 *\$53NW. 317,504 *UXØDL. 266,228 *E78T. 264,020 *US7KC. 262,160 *\$01BVG/2. 202,910 **QRP** **ALL BAND** **TMATCH SAND** **TMATCH	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA	*DK5TX 24,552 *IZ20KG 16,643 7 MHz *IW4EGX 2,001,290 *YU2A 1,247,324 *OK2RU 996,300 *IK30RD 761,068 *DL5KUD 710,820 *OP4A 286,000 *LY2PAD 256,680 *UX5UU 185,468 *Z33F 65,090 *SP9BNM 337,776 *SS3NW 317,504
LY80	*S02RGB. 674,674 *0K2HBR. 410,220 *0M3RWB (0M3ZWA). 375,452 *0K2SAR. 369,984 *SP9BMM. 337,776 *S53NW. 317,504 *UXØDL. 266,228 *E78T 264,020 *US7KC. 262,160 *S01BVG/2. 202,910 ORP ALL BAND TM3T (F5VBT). 1,793,839 RX1CQ. 1,360,730	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA. 2,750,185 RU3FM. 2,478,060 0E2E (0E2GEN). 2,449,560 0N6NL 2,406,003 EV1R. 2,091,744 GM1C (GM1BSG). 2,069,676 EW4AA 1,983,860 EA1BD 1,767,456 UT5EPP 1,720,053 DJ8EW 1,666,709 28 MHz IK4ALM. 248,446 IK2AHB 184,690	*DK5TX
LY80 3,619,560 IW10N 3,354,108 S51CK 2,007,882 RV5K 1,629,612 DP7D (DF10R) 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz 0L9A 1,626,784 0K2SFP 929,568 LY2SA 836,076 0H3FM 608,938 IV3SKB 554,896 DJ60T 431,750 DJ80P 302,696 EW8DZ 300,924	*S02RGB. 674,674 *0K2HBR 410,220 *0M3RWB (0M3ZWA) 375,452 *0K2SAR 369,984 *SP9BMM 337,776 *S53NW 317,504 *UX/DDL 266,228 *E78T 264,020 *US7KC 262,160 *S01BVG/2 202,910 **ORP ALL BAND **TM3T (F5VBT) 1,793,839 *RX1C0 1,360,730 *RU4SS 1,309,542	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA	*DK5TX. 24,552 *IZ20KG
LY80 3,619,560 IW10N 3,354,108 S51CK 2,007,882 RV5K 1,629,612 DP7D (DF10R) 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A 1,626,784 OK2SFP 929,568 LY2SA 836,076 OH3FM 608,938 IV3SKB 554,896 DJ6OT 431,750 DJ8OP 302,696 EW8DZ 300,924 DL7URH 266,246 UT8NT 151,076	*S02RGB. 674,674 *OK2HBR. 410,220 *OM3RWB (OM3ZWA) 375,452 *OK2SAR 369,984 *SP9BNM 337,776 *S53NW 317,504 *UXØDL 266,228 *E78T 264,020 *US7KC 262,160 *S01BVG/2 202,910 *QRP *ALL BAND *TM3T (F5VBT) 1,793,839 RX1C0 1,360,730 RU4SS 1,309,542 *TM9K (F5BEG) 1,231,360	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA. 2,750,185 RU3FM. 2,478,060 0E2E (0E2GEN). 2,449,560 0N6NL 2,406,003 EV1R. 2,091,744 GM1C (GM1BSG). 2,069,676 EW4AA 1,983,860 EA1BD 1,767,456 UT5EPP 1,720,053 DJ8EW 1,666,709 28 MHz IK4ALM. 248,446 IK2AHB 184,690	*DK5TX
LY80. 3,619,560 IW10N. 3,354,108 S51CK. 2,007,882 RV5K. 1,629,612 DP7D (DF10R). 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A. 1,626,784 OK2SFP 929,568 LY2SA. 836,076 OH3FM. 608,938 LY3SKB 554,896 DJ6QT 431,750 DJ8QP 302,696 EW8DZ 300,924 DL7URH 266,246 UT8NT 151,076	*S02RGB. 674,674 *0K2HBR. 410,220 *0M3RWB (0M3ZWA). 375,452 *0K2SAR. 369,984 *SP9BMM. 337,776 *S53NW. 317,504 *UXØDL. 266,228 *E78T. 264,020 *US7KC. 262,160 *S01BVG/2. 202,910 QRP ALL BAND TM3T (F5VBT). 1,793,839 RX1CQ. 1,360,730 RU4SS. 1,309,542 TM9K (F5BEG). 1,231,360 CT1BXT. 1,043,072	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA. 2,750,185 RU3FM. 2,448,060 0E2E (0E2GEN). 2,449,560 0N6NL 2,406,003 EV1R 2,091,744 GM1C (GM1BSG). 2,069,676 EW4AA 1,983,860 EA1BD 1,767,456 UT5EPP 1,720,053 DJ8EW 1,666,709 28 MHz IK4ALM. 248,446 IK2AHB 184,690 UR5FBM 118,314 HA5AWT 45,240	*DK5TX. 24,552 *IZ20KG
LY80 3,619,560 IW10N 3,354,108 S51CK 2,007,882 RV5K 1,629,612 DP7D (DF10R) 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A 1,626,784 OK2SFP 929,568 LY2SA 836,076 OH3FM 608,938 IV3SKB 554,896 DJ6OT 431,750 DJ8OP 302,696 EW8DZ 300,924 DL7URH 266,246 UT8NT 151,076	*S02RGB. 674,674 *0K2HBR 410,220 *0M3RWB (0M3ZWA) 375,452 *0K2SAR 369,984 *SP9BMM 337,776 *S53NW 317,504 *UXIDL 266,228 *LF78T 264,020 *US7KC 262,160 *S01BVG/2 202,910 **ORP ALL BAND **TM3T (F5VBT) 1,793,839 **RX1C0 1,360,730 **RU4SS 1,309,542 **TM9K (F5BEG) 1,231,360 **CT1BXT. 1,043,072 **IZSJFL/1 779,132	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA. 2,750,185 RU3FM. 2,478,060 0E2E (0E2GEN). 2,449,560 0N6NL 2,406,003 EV1R. 2,091,744 GM10 (GM1BSG). 2,069,676 EW4AA. 1,983,860 EA1BD. 1,767,456 UT5EPP. 1,720,053 DJ8EW. 1,666,709 28 MHz IK4ALM. 248,446 IK2AHB. 184,690 UR5FBM. 118,314 HA5AWT. 45,240	*DK5TX 24,552 *IZ20KG 16,643 7 MHz *IW4EGX 2,001,290 *YU2A 1,247,324 *OK2RU 996,300 *IK30RD 761,068 *DL5KUD 710,820 *OP4A 286,000 *LY2PAD 256,680 *UX5UU 185,468 *Z33F 65,090 3.5 MHz *SP9BNM 337,776 *S53NW 317,504 *S52WD 98,560 *Y05CUQ 39,928 *9A1IW 3,658
LY80 3,619,560 IW10N 3,354,108 S51CK 2,007,882 RV5K 1,629,612 DP7D (DF10R) 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A 1,626,784 OK2SFP 929,568 LY2SA 836,076 OH3FM 608,938 IV3SKB 554,896 DJ6QT 431,750 DJ8QP 302,696 EW8DZ 300,924 DL7URH 266,246 UT8NT 151,076	*SO2RGB. 674,674 *OK2HBR 410,220 *OM3RWB (OM3ZWA) 375,452 *OK2SAR 369,984 *SP9BNM 337,776 *SS3NW 317,504 *UXØDL 266,228 *E78T 264,020 *US7KC 262,160 *SQ1BVG/2 202,910 *QRP *ALL BAND *TM3T (F5VBT) 1,793,839 *RX1CO 1,360,730 *RU4SS 1,309,542 *TM9K (F5BEG) 1,231,360 *CT1BXT 1,043,072 *IZ8JFL/1 779,132 *ZUSHL/1 779,132 *ZUSHL/1 779,132 *VU1LM 427,037	SZ1A (SV1CIB) 6,206,723 E11Y (E13KG) 6,187,743 9A0Z (9A5VEK) 5,628,744 OH2HAN (OH8WW) 5,347,078 RK4W (RW4WA) 4,357,144 R7DA (R7AB) 4,281,942 MULTI-OPERATOR SINGLE TRANSMITTER (LOW) *9A7T (9A2EU) 2,309,063 *E510 (ES2SDA) 2,290,842 *DQ4W (DL2MLU) 2,241,943 *LY5W 1,553,877 *DF0BLM (DG5VE) 1,478,026 *OK2RVM (OK2PDU) 1,070,535 *SX2AG (SV2HTI) 1,045,910 *SN1A (SP1MHZ) 1,014,978 *DN2MR 196,830 MULTI-OPERATOR TWO TRANSMITTER	HIGH POWER ALL BAND GWØA	*DK5TX. 24,552 *IZ20KG
LY80. 3,619,560 IW10N. 3,354,108 S51CK. 2,007,882 RV5K. 1,629,612 DP7D (DF10R). 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A. 1,626,784 OK2SFP 929,568 LY2SA. 836,076 OH3FM. 608,938 IV3SKB 554,896 DJ60T. 431,750 DJ80P. 302,696 EW8DZ. 300,924 DL7URH. 266,246 UT8NT. 151,076 LOW POWER ALL BAND *UW50 (UR30CW). 3,887,624 *0066 (ONSMF). 3,637,840	*SO2RGB. 674,674 *OK2HBR. 410,220 *OM3RWB (OM3ZWA) 375,452 *OK2SAR. 369,984 *SP9BNM. 337,776 *SS3NW 317,504 *UX0DL 266,228 *LT8T 264,020 *US7KC 262,160 *SO1BVG/2 202,910 *ORP *ALL BAND TM3T (F5VBT) 1,793,839 RX1CQ 1,360,730 RU4SS 1,309,542 TM9K (F5BEG) 1,231,360 CT1BXT 1,043,072 IZ8JFL/1 779,132 YU1LM 427,037 EA1GT 381,582	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA. 2,750,185 RU3FM. 2,448,060 0E2E (OE2GEN). 2,449,560 0N6NL 2,406,003 EV1R. 2,091,744 GM1C (GM1BSG). 2,069,676 EW4AA 1,983,860 EA1BD 1,767,456 UT5EPP 1,720,053 DJ8EW 1,666,709 28 MHz IK4ALM. 248,446 IK2AHB. 184,690 UR5FBM. 118,314 HA5AWT 45,240 21 MHz SP8K (S08JX). 1,196,874 RW4WZ. 887,468	*DK5TX 24,552 *IZ20KG 16,643 7 MHz *IW4EGX 2,001,290 *YU2A 1,247,324 *OK2RU 996,300 *IK30RD 761,068 *DL5KUD 710,820 *OP4A 286,000 *LY2PAD 256,680 *UX5UU 185,468 *Z33F 65,090 3.5 MHz *SP9BNM 337,776 *S53NW 317,504 *S52WD 98,560 *Y05CUQ 39,928 *9A1IW 3,658
LY80. 3,619,560 IW10N. 3,354,108 S51CK. 2,007,882 RV5K. 1,629,612 DP7D (DF10R). 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A. 1,626,784 OK2SFP 929,568 LY2SA. 836,076 OH3FM. 608,938 IV3SKB 554,896 DJ60T. 431,750 DJ80P. 302,696 EW8DZ. 300,924 DL7URH. 266,246 UT8NT. 151,076 LOW POWER ALL BAND *UW50 (UR30CW). 3,887,624 *0066 (ONSMF). 3,637,840	*SO2RGB. 674,674 *OK2HBR. 410,220 *OM3RWB (0M3ZWA) 375,452 *OK2SAR 369,984 *SP9BMM 337,776 *SS3NW 317,504 *UXØDL 266,228 *E78T 264,020 *US7KC 262,160 *SO1BVG/2 202,910 *ORP *ALL BAND TM3T (F5VBT) 1,793,839 RX1CO 1,360,730 RU4SS 1,309,542 TM9K (F5BEG) 1,231,360 CT1BXT 1,043,072 IZ8JFL/1 779,132 YU1LM 427,037 EA16T 381,582 OH2LZI 311,583	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA. 2,750,185 RU3FM. 2,478,060 0E2E (0E2GEN). 2,449,500 0N6NL 2,406,003 EV1R. 2,091,744 GM1C (GM1BSG). 2,069,676 EW4AA. 1,983,860 EA1BD. 1,767,456 UT5EPP. 1,720,053 DJ8EW. 1,666,709 28 MHZ IK4ALM. 248,446 IK2AHB. 184,690 UR5FBM. 118,314 HA5AWT. 45,240 21 MHZ SP8K (S08JX). 1,196,874 RW4WZ. 887,468 M7P (G6NHU). 643,165	*DK5TX 24,552 *IZ20KG 16,643 7 MHz *IW4EGX 2,001,290 *YU2A 1,247,324 *OK2RU 996,300 *IK30RD 761,068 *DL5KUD 710,820 *OP4A 286,000 *LY2PAD 256,680 *UX5UU 185,468 *Z33F 65,090 3.5 MHz *SP9BNM 337,776 *S53NW 317,504 *S52WD 98,560 *Y05CUQ 39,928 *9A1IW 3,658
LY80. 3,619,560 IW10N. 3,354,108 S51CK. 2,007,882 RV5K. 1,629,612 DP7D (DF10R). 1,443,840 M7T (G3YYD) 1,280,300 3.5 MHz OL9A. 1,626,784 OK2SFP 929,568 LY2SA. 836,076 OH3FM. 608,938 IV3SKB 554,896 DJ60T 431,750 DJ80P. 302,696 EW8DZ. 300,924 DL7URH. 266,246 UT8NT. 151,076 LOW POWER ALL BAND *UW50 (UR30CW). 3,887,624	*SO2RGB. 674,674 *OK2HBR. 410,220 *OM3RWB (OM3ZWA) 375,452 *OK2SAR. 369,984 *SP9BNM. 337,776 *SS3NW 317,504 *UX0DL 266,228 *LT8T 264,020 *US7KC 262,160 *SO1BVG/2 202,910 *ORP *ALL BAND TM3T (F5VBT) 1,793,839 RX1CQ 1,360,730 RU4SS 1,309,542 TM9K (F5BEG) 1,231,360 CT1BXT 1,043,072 IZ8JFL/1 779,132 YU1LM 427,037 EA1GT 381,582	SZ1A (SV1CIB)	HIGH POWER ALL BAND GWØA. 2,750,185 RU3FM. 2,448,060 0E2E (OE2GEN). 2,449,560 0N6NL 2,406,003 EV1R. 2,091,744 GM1C (GM1BSG). 2,069,676 EW4AA 1,983,860 EA1BD 1,767,456 UT5EPP 1,720,053 DJ8EW 1,666,709 28 MHz IK4ALM. 248,446 IK2AHB. 184,690 UR5FBM. 118,314 HA5AWT 45,240 21 MHz SP8K (S08JX). 1,196,874 RW4WZ. 887,468	*DK5TX 24,552 *IZ20KG 16,643 7 MHz *IW4EGX 2,001,290 *YU2A 1,247,324 *OK2RU 996,300 *IK30RD 761,068 *DL5KUD 710,820 *OP4A 286,000 *LY2PAD 256,680 *UX5UU 185,468 *Z33F 65,090 3.5 MHz *SP9BNM 337,776 *S53NW 317,504 *S52WD 98,560 *Y05CUQ 39,928 *9A1IW 3,658

FT-991

HF/VHF/UHF ALL MODE TRANSCEIVER

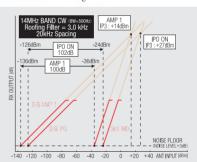


New generation all-band transceiver FT-991 offers full-fledged support for all modes including HF/50/144/430 MHz in a single compact unit

- Triple conversion with 1st IF frequency of 69.450MHz for all bands
- Narrow band 3 kHz roofing filter provided in standard configuration realizes excellent adjacent multi signal characteristics
- Features the highly acclaimed FTDX series quad mixer, along with a dedicated VHF/UHF mixer
- Highly effective interference removal functions are great for stress-free QSOs on the DX and Contest scene
- Final Stage with Ample Power Reserves: 100 W for HF/50 MHz Bands and 50 W for VHF/UHF Bands
- 3.5 inch full color touch panel display for convenient viewing and operation
- Advanced Spectrum Scope Function with Waterfall Display Capability
- Advanced technologies fully utilize the potential of C4FM Digital including high-quality transmit audio, AMS, and **Group Monitor functions**
- * Data FR mode (high speed data communication mode) is not supported therefore image send/receive by C4FM digital is not possible



3 kHz and 15 kHz Roofing Filter



IDR (IMD Dynamic range) / IP3 (3rd-Order Intercept Point) characteristics





record and second place Alessandro, H2X (5B4ALX), set a new Asia record. Vlad, UY2UA, won Europe for fourth place. Jose, EA8CNR, won Africa; Lie, YBØCOU, won Oceania; and Jim, K3NK, won North America.

Pekka, EE8E (EA8AH), set a new world and Africa record on 15 meters and second place Francisco, EE7Y (EC7WA), set a new European record. Third place Fernando, PU1MKZ, was first in South America. Fifth place Victor, RA9AU, won Asia and 7th place. Derek, J35X, won North America. Ninth place Max, KH6ZM, set a new Oceania record.

Mohamed, 5C5W (CN8KD), set a new 20-meter world and African record. Marko, YT2T, won Europe for second place and Bill, AD7JP (K2PO), won North America for 4th place. Daniel, YV4NN, won South America; Yuri, UA9AFS, won Asia; and Hilary, VK2IUW, won Oceania.

Nicola, IW4EGX, won 40 meters and Evgeni, 4Z5UN, set a new Asia record for second place. John, K7WP, won North America; and Erick, YD2NDX, won Oceania.

Tomek, SQ2RGB, won 80 meters and 5th place; Gennadiy, UN1L, won Asia. Nicolas, FG4NO, won North America.

John, KK9A, won All Band world and North America while second place Ruslan, UW5Q (UR3QCW), won Europe. Wanderley, ZX2B (PY2MNL), won South America; Yuri, UP6P, won Asia; Karel, ZR9C (XS6WN), won Africa; and Wahyu, YC1CWK, won Oceania.

High Power (918)

POTOMAC VALLEY RADIO CLUB.

Carlos, CT3FQ, won 10-meter World and Africa; and Vedran, 9A5Y (9A7DX), won Europe. Fifth place Cort, K4WI, set a new North American record while Serge, RAØAY, set a new

United States

Entrants

Asian record. Atsuo, 5W1SA, won Oceania and posted a short YouTube video. Rene, LU7HN, won South America.

Juha, OGØZ (OH9MM), set a new European record to win the world on 15 meters. Fourth place Peter, KU2M, won North America; and Eugene, UCØCA, set a new Asian record. Karsono, YBØNDT, won Oceania; and Francisco, PS7DX, won South America.

Pertti, CR2X (OH2PM), won 20 meters with a new European record, followed very closely by Steph, TM6M (F4DXW), for second place. Emmo, PT2CM (PT2FE), was fifth overall to win South America; and Konstantin, UA9CKP, won Asia. Roy, W3RTY, won North America; and Steve, VK6SMK, won Oceania.

Pavel, OK6W (OK1MU), won Europe and the world on 40 meters. Dick, K9OM, won North America; and Alex, 4Z5ML, won Asia.

Jan, OL9A, won Europe and the World on 80 meters. Steve, K4FJ, won North America; and Anatol, UN4PG, won Asia.

Ed, P49X (WØYK), won All Band World while Bud, AA3B, took second, setting a new North American record. Roman, UW2M (URØMC), took third to win Europe; and Roger, HK1NA (N4RR), took fourth. Harumi, JR4OZR, won Asia; Manuel, EA8ZS, won Africa; and Frank, ZM2B, won Oceania.

Multi-Operator (101)

Multi-Single is the most popular multi-operator category:

MSL MSH M2 MM 21 49 17 14

9A7T (9A2EU, 9A5MR, 9A5BCL) set a new world record for Multi-Single Low Power and fourth place V31YN (DJ4KW,

2015 WPX RTTY CLUB SCORES

Score

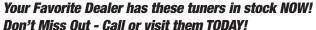
COOLETY OF MIDWEST CONTESTEDS		30,961,013
SOCIETY OF MIDWEST CONTESTERS	32	27,091,118
FRANKFORD RADIO CLUB	18	22,876,322
NORTHERN CALIFORNIA CONTEST CLUB		
YANKEE CLIPPER CONTEST CLUB		
FLORIDA CONTEST GROUP	13	8.521.567
WESTERN WASHINGTON DX CLUB	9	8.182.636
KANSAS CITY CONTEST CLUB	5	7.522.164
ARIZONA OUTLAWS CONTEST CLUB	20	7 211 954
WILLAMETTE VALLEY DX CLUB	10	5 368 080
SKYVIEW RADIO SOCIETY	3	5 313 685
CTRI CONTEST GROUP		5 011 047
MISSISSIPPI VALLEY DX/CONTEST CLUB		4.041.000
MISSISSIPPI VALLEY DX/CONTEST CLUB	4	4,641,266
MOTHER LODE DX/CONTEST CLUB	8	3,851,585
DFW CONTEST GROUP	6	3,455,298
MINNESOTA WIRELESS ASSN	17	3,397,440
ALABAMA CONTEST GROUP		
GEORGIA CONTEST GROUP	3	3,109,208
NIAGARA FRONTIER RADIOSPORT	4	3,051,293
TENNESSEE CONTEST GROUP	11	2,881,445
NORTH COAST CONTESTERS	4	2,281,169
MAD RIVER RADIO CLUB	6	2.267.845
MAD RIVER RADIO CLUBSOUTHERN CALIFORNIA CONTEST CLUB	11	1.921.699
MIDLAND AMATEUR RADIO CLUB	4	1 787 126
SOUTH EAST CONTEST CLUB	3	1 638 574
BERGEN ARA	4	1 630 681
SPOKANE DX ASSOCIATION	Ω	1 602 617
CRAND MESA CONTESTEDS OF COLORADO		1 505 600
PRICTOL (TN/VA) ARC	4	1 500,000
ODDED OF DOLLED OWL C OF NEW YORK	4	1,020,000
METRO DY OLUB	5	1,480,000
METRO DX CLUBSHENANDOAH VALLEY WIRELESS	4	1,416,622
SHENANDOAH VALLEY WIRELESS	3	892,885
MURGAS AMATEUR RADIO CLUB	3	423,640
HILLTOP TRANSMITTING ASSN	3	259,560
SWAMP FOX CONTEST GROUP	3	69,400
DX		
BAVARIAN CONTEST CLUB		
CROATIAN CONTEST CLUB	15	35.381.037
UKRAINIAN CONTEST CLUB	34	34 819 519
RHEIN RUHR DX ASSOCIATION	52	34 710 004
ITALIAN CONTEST CLUB	82	33 455 757
SLOVENIA CONTEST CLUB		
EA CONTEST CLUB	20	22 600 205
HA-DX-CLUB	∠5	22,090,303
TA-DA-OLUB		20,554,715

ORCA DX AND CONTEST CLUB		
LATVIAN CONTEST CLUB	11	15,219,859
CONTEST CLUB ONTARIOKAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	17	10,967,263
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUE	311	9,821,552
ARAUCARIA DX GROUP	17	9.640.407
RELABUS CONTEST CLUB	a	9 261 512
RADIO AMATEUR ASSOCIATION OF WESTERN GREE	CF 4	7 594 284
CONTEST GROUP DU QUEBEC	10	7 322 308
CONTEST CLUB FINLAND	10	6 056 406
CONTEST CLUB SERBIA	10	0,930,460
URAL CONTEST GROUP		0,404,142
URAL CONTEST GROUP		5,987,915
DONBASS CONTEST CLUB	3	5,717,643
KRIVBASS	5	5,609,337
SP DX CLUB	18	5,597,079
LU CONTEST GROUP	13	4,933,151
BLACK SEA CONTEST CLUB	11	4,509,462
LITHUANIAN CONTEST GROUP	3	4.147.766
VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	6	3 849 195
TEMIRTAU CONTEST CLUB	4	3 125 567
SOUTH URAL CONTEST CLUB	5	3 096 029
RUSSIAN CONTEST CLUB		
599 CONTEST CLUB		2 000 470
RTTY CONTEST CLOBRTTY CONTESTERS OF JAPAN	4	2,000,479
RITY CONTESTERS OF JAPAN	8	2,132,246
YO DX CLUB	3	2,006,609
RUSSIAN CW CLUB	4	1,917,850
YB LAND DX CLUB	16	1,882,864
EUROPEAN PSK CLUB	6	1,760,866
ARCK	6	1,693,421
THRACIAN ROSE CLUB	5	1,663,761
CSTA BLICURESTI	3	1 614 400
DL-DX RTTY CONTEST GROUP	5	1.511.663
DANISH DX GROUP	7	1 509 980
CHILTERN DX CLUB		
RIO DX GROUP	5	1 007 976
VK CONTEST CLUB		
CHILEAN PACIFIC DX GROUP		
CONTEST CLUB HARZ HEIDE		724,935
CONTEST CLUB HARZ HEIDE	3	6/8,963
BARIVM DX TEAM		
POLISH RADIOVIDEOGRAPHY CLUB	3	567,444
SK2AT FORENINGEN UMEA RADIOAMATORER	3	472,962
BALATON RADIOAMATEUR DX CLUB	3	438,686
UR-QRP-CLUB	3	405,433
DOMODEDOVO	3	366,420
CSM CLUJ-NAPOCA	4	356,906
VLADIMIR CONTEST GROUP	3	339,281
BESSARABIAN CONTEST CLUB	3	149 096
RU-QRP CLUB	3	59 626
TIO QITI OLOD		

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NEW! RT-100

A Technological Breakthrough in Remote Tuning!

Coax in / coax out tuner designed to be placed near the feedpoint of the antenna. Place the RT-100 near the feedpoint and virtually eliminate all feed line loss due to SWR. DC powered over the coax, so add your own DC injection circuit or use the LDG RC-100 to power and control the tuner from your shack. The RC-100 will provide DC power over the coax as well as control for Auto mode, Lock, and Tune.

Suggested Price \$199.99 Optional RC-100 \$49.99

IT-100

Manual or automatic tunes. Control from either its own button or the Tune button on your IC-7000 or other Icom rigs. AH3 or AH-4 compatible.

Suggested Price \$179.99

AT-600Proll

Two-position antenna switch, 2,000 memories that store tuning parameters for almost instantaneous memory recall whenever you transmit on or near a frequency you've used before. Includes six-foot DC power cable. **Suggested Price \$369.99**

Optional M-600 external analog meter \$129.99



AT-1000Proll

1KW tuner features: 5 to 1,000 Watts PEP; RF Sensing; Auto and Semi Tuning Modes; 1.8 to 54 MHz range; 6 to 800 ohm range (15 to 150 on 6M); simplified operation; Two position antenna switch, 2,000 memories.

Suggested Price \$539.99

Optional M-1000 external analog meter \$129.99



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DK1IP) set a new North American record. YE1ZAT (YD1DPM, YD1DOQ, YD1DGZ, YD1GCL) set a new Oceania record and posted a YouTube video, while HS1NIV (HS1NIV, HS5ZBR, E22ZXX) set a new Asian record. ZS6WR (ZS6RJ, ZS6C, ZS6PVT) won Africa.

HG1S (HA1TJ, HA8DM, HA1DAC, HA1DAI, HA6NF, HA1DAE) won Multi-Single High Power and NCØDX (WØLSD, WØBV, WØDC) won North America. V55V (DD8ZX, DC8QT, DJ9KM) won Africa, CE2LS (CE2SQE, CE2VRD, CA2DMR, CE2VQF, CE2RTF, CE3OP) won South America; and RKØAWQ (RXØAK, RØAA) won Asia.

LX7I (LX2A, DK5ON, DL6ZBN, DD5ZZ, DL8LR, DF8XC, DF7ZS) won Multi-Two and DR5N (DF1MM, DJ9DZ, DK5OS, DL9YAJ) took second. NØNI (NØXR, NØNI, NØAC, NUØQ, WØBNW) won North America for third place and JH4UTP (JH4UTP, RTTY Skimmer) won Asia.

9A1A (9A5W, 9A6A, 9A7R, 9A7C, 9A5DDT, 9A8A, 9A9A, 9A6TKS, 9A5CKK, 9A7MSM, 9A7CMM, 9A7MIM, 9A5CPP, 9A3GDZ) once again won Multi-Multi and set a new European record (breaking the four prior European records set by themselves!), posting the second highest all-time score of any mode, just shy of the EF8M world record. RWØA (RAØAM, RAØALM, RUØAM, RWØAR, RGØA, RZØAT, RUØA, RZØAI, RVØAUI, RUØAKB, RAØANR, RAØASG, RAØAAC, UA0103112) set a new Asian record for second place and NR4M was close behind for third place. KH7XX (KH7U, KH6FP, KH6U, WH6R, AH6NF, AH0A, @KH6YY) won Oceania.

Club Competition

World – The Bavarian Contest Club once again led the field in the world club competition with 78.7 million points from

their 94 entries. The Croatian Contest Club took second with only 15 entries. Close behind were the third and fourth place Ukrainian Contest Club and the Rhein Ruhr DX Association. A very close fifth place finish was submitted with 82 entries from the Italian Contest Club.

North America – The Potomac Valley Radio Club was sixth in the world to win the North America plaque, with the Society of Midwest Contesters not far behind in second place.

Closing

"Very nice fun, I am a first time participate in RTTY mode, it's great." – **4K6FO**

"This was my first RTTY contest experience! Very fun!" – **KM6JD**

"My first WPX RTTY contest." - OK1DQT

"My first RTTY WPX contest." – **OK4GP**

"This is first S53A RTTY operation. We had fun with endless pileups!" – **S53A**

"This was my first RTTY contest." - ZS1TMJ

The complete results listing of all received logs is only on the web at http://www.cq-amateur-radio.com. In addition, a searchable database of the results from every CQ WPX RTTY Contest is available at http://www.cqwpxrtty.com/score_db.htm.

Log Check Reports (LCRs) suggest ideas to improve operating accuracy. This valuable information is readily obtainable by email from <w0yk@cqwpxrtty.com>. You can compare your log check statistics with the averages across all logs in this contest:

1.2% incorrect received callsign

1.8% incorrect serial number received

www.cq-amateur-radio.com August 2015 • CQ • 19

1.3% NIL (Not In Log)

5.2% total error rate (with penalties and lost mults, score reduction is higher)

10% score reduction

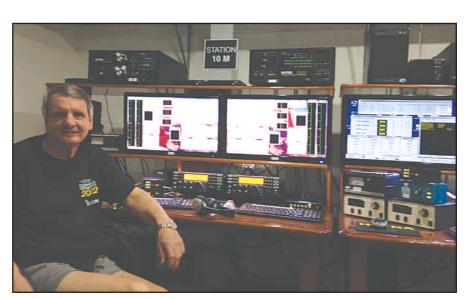
Achieving a zero error rate may mean that too much time is being spent on accuracy. Speed and accuracy are a trade-off for optimal communication.

A number of volunteers work tirelessly in the background to bring contests to us. Ken, K1EA, and Randy, K5ZD, continue to improve and support the log-checking and website software. K5TR and N5KO quietly manage the IT infrastructure behind the log submittal robots, log storage, and log-checking software. The WWROF (World Wide Radio Operators Foundation) provides

financial support for the IT services required, among other support for contesting in general as well as postage for paper certificates. All of us can help with our donations to WWROF, so please consider this a way to give back to the radiosport. Barry, W5GN, performs the huge task of getting paper certificates out. Ray, ND8L, manages the plaque program, which is another opportunity for us to give back by becoming plaque donors. You can choose an unsponsored plaque in any category.

The 22nd CQ WPX RTTY Contest will be held on 13-14 February 2016. I look forward to seeing everyone again then!

- "This was a fun exercise." OH10X
- "What a blast. Great contest!" OQ6A
- "Part time fun!" W4SDJ



Roger, N4RR, at one of the MM positions, converted to SO4V, where he placed 4th worldwide in SO AB HP.



The HK1NA "shack."



3 over 3 on 40 meters at HK1NA.



6 over 6 over 6 on 20 meters at HK1NA.

20 • CQ • August 2015